

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050209

A. CLASSIFICATION OF SUBJECT MATTER INV. H05B41/00 H01J61/82		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) H05B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 904 903 A (PACHOLOK ET AL) 27 February 1990 (1990-02-27) column 4, line 16 - column 6, line 23 column 7, lines 3-11 column 8, lines 7-11 column 8, lines 46-60 figures 1a-1m, 2	1-9
X	US 6 340 869 B1 (WERNER FRANK) 22 January 2002 (2002-01-22) column 3, lines 22-49 column 4, lines 6-27 column 5, lines 5-15 figures 1a-1c, 2, 4a, 4b	1-9
-/-		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		
<input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents:		
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed		
T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *8* document member of the same patent family		
Date of the actual completion of the international search 28 April 2006		Date of mailing of the international search report 16/05/2006
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Silva, João Carlos

INTERNATIONAL SEARCH REPORT

International Application No

PG/1B2005/050209

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 160 361 A (GIANNOPOULOS ET AL) 12 December 2000 (2000-12-12) column 1, line 60 - column 2, line 26 column 3, lines 18-62 column 4, lines 28-36 figures 1-3,4a,4b	1-9
X	US 5 481 162 A (BOENIGK ET AL) 2 January 1996 (1996-01-02) figures 2a,2b,2c,3,4 column 3, lines 57-61 column 4, lines 1-67 column 5, line 29 - column 6, line 48	1-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050209

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4904903	A	27-02-1990	NONE	
US 6340869	B1	22-01-2002	CA 2297051 A1 CN 1266606 A WO 9908492 A1 EP 1002450 A1 JP 2001513590 T TW 443076 B	18-02-1999 13-09-2000 18-02-1999 24-05-2000 04-09-2001 23-06-2001
US 6160361	A	12-12-2000	CN 1274515 A DE 69912093 D1 DE 69912093 T2 WO 0007415 A1 EP 1040735 A1 JP 2002521807 T	22-11-2000 20-11-2003 29-07-2004 10-02-2000 04-10-2000 16-07-2002
US 5481162	A	02-01-1996	AT 186442 T CA 2113688 A1 DE 4301276 A1 EP 0607599 A1 ES 2138991 T3 FI 940264 A HU 65994 A2 JP 6231894 A	15-11-1999 20-07-1994 21-07-1994 27-07-1994 01-02-2000 20-07-1994 29-08-1994 19-08-1994